

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended) A flexible centrifugal chamber comprising:
a first circular side wall with ~~[[an]]~~ a first axial opening;
a second, opposing circular side wall with ~~[[an]]~~ a second axial opening; and
an expandable wall extending between an outer circumference of each of the first and second opposing circular side walls, the expandable wall with a third axial opening larger than the first and second axial openings,

wherein the expandable wall is attached to the outer circumference of the first circular side wall of the flexible chamber and a second end of the expandable wall is attached to the outer circumference of the second, opposing circular side wall of the flexible chamber,

wherein the expandable wall includes at least one pair of corresponding connected partitions, a first partition of one of the at least one pair of partitions including a first circumferential end attached to the outer circumference of the first circular side wall, a second partition of one of the at least one pair of partitions including a second circumferential end attached to the outer circumference of the second circular side wall,

wherein the chamber is sterilized, having a variable volume capacity and adaptable to a continuous flow centrifuge.

Claim 2-3 (cancelled)

Claim 4 (Previously Presented) The flexible chamber according to claim 1, wherein the flexible centrifugal chamber comprises a processing chamber.

Claim 5 (Previously Presented) The flexible chamber according to claim 1, wherein the flexible centrifugal chamber comprises an expressor chamber.

Claim 6 (Previously Presented) The flexible centrifugal chamber according to claim 1, wherein the expandable wall comprises an accordion wall.

Claim 7 (cancelled)

Claim 8 (Previously Presented) The flexible centrifugal chamber according to claim 1, wherein the expandable wall includes a plurality of pairs of partitions.

Claim 9 (Currently Amended) A centrifuge processing apparatus, comprising a flexible centrifugal chamber comprising:

a first circular side wall with [[an]] a first axial opening;

a second, opposing circular side wall with [[an]] a second axial opening; and

a circumferential expandable wall extending between an outer circumference of each of the first and second opposing circular side walls, the expandable wall with a third axial opening larger than the first and second axial openings,

wherein a first end of the expandable wall is attached to the outer circumference of the first circular side wall of the flexible chamber and a second end of the expandable wall is attached to the outer circumference of the second, opposing circular side wall of the flexible chamber,

wherein the expandable wall includes at least one pair of corresponding connected partitions, a first partition of one of the at least one pair of partitions including a first circumferential end attached to the outer circumference of the first circular side wall, a second partition of one of the at least one pair of partitions including a second circumferential end attached to the outer circumference of the second circular side wall,

wherein the chamber is sterilized, having a variable volume capacity and adaptable to a continuous flow centrifuge.

Claim 10 (cancelled)

Claim 11 (Previously Presented) The centrifuge processing apparatus according to claim 9, wherein the axial openings of each of the first and second circular side walls are centered about a rotational axis of the flexible centrifugal chamber.

Claim 12 (Previously Presented) The centrifuge processing apparatus according to claim 9, wherein the expandable wall comprises an accordion wall.

Claim 13 (cancelled)

Claim 14 (Previously Presented) The centrifuge processing apparatus according to claim 9, wherein the expandable wall includes a plurality of pairs of partitions.

Claim 15 (Previously Presented) The centrifuge processing apparatus according to claim 9, wherein the flexible centrifugal chamber comprises a processing chamber for containing a material to be centrifuged.

Claim 16 (Previously Presented) The centrifuge processing apparatus according to claim 9, wherein the flexible centrifugal chamber comprises an expressor chamber for containing an expressor material.

Claim 17 (Previously Presented) The centrifuge processing apparatus according to claim 9, further comprising a plurality of flexible centrifugal chambers.

Claim 18 (Previously Presented) The centrifuge processing apparatus according to claim 17, wherein one or more of the plurality of flexible centrifugal chambers comprise processing chambers for containing material to centrifuge and one or more of the plurality of flexible centrifugal chambers comprise expressor chambers for containing expressor material.

Claim 19 (Currently Amended) A continuous flow centrifuge including a plurality of flexible centrifugal chambers, each centrifugal chamber of the plurality of centrifugal chambers respectively comprising:

a first circular side wall with [[an]] a first axial opening; and

a second, opposing circular side wall with [[an]] a second axial opening,

~~wherein at least one of the first and second circular side walls of each of the flexible centrifugal chamber respectively includes an axial opening~~, each flexible centrifugal chamber further comprising a circumferential expandable wall extending between an outer circumference of each of the first and second opposing circular side walls, the expandable wall with a third axial opening larger than the first and second axial openings,

wherein a first end of the expandable wall is attached to an outer circumference of the first circular side wall of the respective flexible centrifugal chamber and a second end of the expandable wall is attached to an outer circumference of the second, opposing circular side wall of the respective flexible centrifugal chamber,

wherein the expandable wall includes at least one pair of corresponding connected partitions, a first partition of one of the at least one pair of partitions including a first circumferential end attached to the outer circumference of the first circular side wall, a second partition of one of the at least one pair of partitions including a second circumferential end attached to the outer circumference of the second circular side wall, at least one of the plurality of flexible centrifugal chambers being sterilized and having a variable volume capacity.

Claim 20 (Currently Amended) A biological cell processing apparatus comprising:
a continuous flow centrifuge; and
a sterilized flexible centrifugal chamber comprising:

a first circular side wall with [[an]] a first axial opening;

a second, opposing circular side wall with [[an]] a second axial opening; and

a circumferential expandable wall extending between an outer circumference of each of the first and second opposing circular side walls, the expandable wall with a third axial opening larger than the first and second axial openings,

wherein a first end of the expandable wall is attached to the outer circumference of the first circular side wall of the flexible chamber and a second end of the expandable wall is attached to the outer circumference of the second, opposing circular side wall of the flexible centrifugal chamber,

wherein the expandable wall includes at least one pair of corresponding connected partitions, a first partition of one of the at least one pair of partitions including a first circumferential end attached to the outer circumference of the first circular side wall a second partition of one of the at least one pair of partitions including a second circumferential end attached to the outer circumference of the second circular side wall.

Claim 21 (New) The flexible chamber according to claim 1, wherein the first axial opening is adaptable to connect to a hub and wherein the second axial opening is adaptable to connect to the hub.

Claim 22 (New) The flexible chamber according to claim 21, wherein the third axial opening is not adaptable to connect to the hub.

Claim 23 (New) The centrifuge processing apparatus according to claim 9, wherein the first axial opening is adaptable to connect to a hub and wherein the second axial opening is adaptable to connect to the hub.

Claim 24 (New) The centrifuge processing apparatus according to claim 23, wherein the third axial opening is not adaptable to connect to the hub.